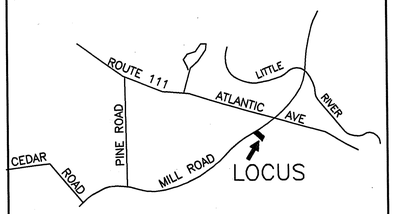
LOCUS MAP

NOT TO SCALE



SOIL CLASS: 140 – CHATFIELD–HOLLIS–CANTON
547 – WALPOLE

(SOURCE: USDA–SCS SOIL SURVEY)

BENCH MARKS: DATUM = ASSUMED

#1 SET NAIL 24" PINE ELEV 52.13

#2 SET NAIL 14" PINE ELEV 50.71

#3 SET NAIL 24" PINE ELEV 51.43

DESIGN INTENT:

1. THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM SHALL BE CONSTRUCTED AT ELEVATION 52.5
2. THERE IS/ARE APPROX 0.0 FT ABOVE ORIGINAL GROUND ON THE HIGH CONTOUR THE DESIGNED EDS.

SUITABLE REPLACEMENT AREA:

SYSTEM MUST BE REBUILT IN PLACE OR REDESIGNED.

LEGEND:

50 (50) EXISTING CONTOUR
PROPOSED CONTOUR

50.0 EXISTING SPOT ELEVATION

(50.0) PROPOSED SPOT ELEVATION

NOTES:

1. THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATED BASED ON INFORMATION FROM THE FOLLOWING SOURCE:

   RCRD 3073–1530

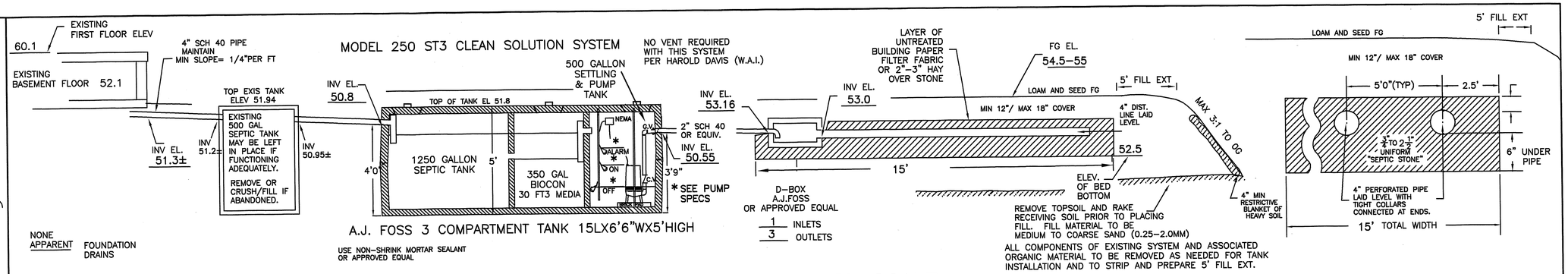
2. NHDES–WS&PCD SUBDIVISION APPROVAL NUMBER: N/A LOT OF RECORD PRE 1967 SEE RCRD 1462–006 (1958)
3. THIS SYSTEM IS NOT DESIGNED TO HANDLE GARBAGE DISPOSAL WASTE.
4. NO SURFACE WATER OR WELL WITHIN 75' OF PROPOSED SYSTEM.
5. INSTALLER TO CHECK FOR POSSIBLE DRY WELL. IF FOUND, REMOVE OR CRUSH/FILL. ALL HOUSEHOLD WASTE MUST FEED INTO NEW SYSTEM.

PUMP SPECIFICATIONS

PUMP SELECTION AND PIPING BY WASTEWATER ALTERNATIVES. STA–RITE EC 440 4/10 HP FLOATS TO BE SET TO WASTEWATER ALTERNATIVES SPECIFICATIONS FOR DOSAGE OF 125 GALLONS PER DAY FOR 3.6 CYCLES PER DAY BASED ON 450 GPD DESIGN LOADING.

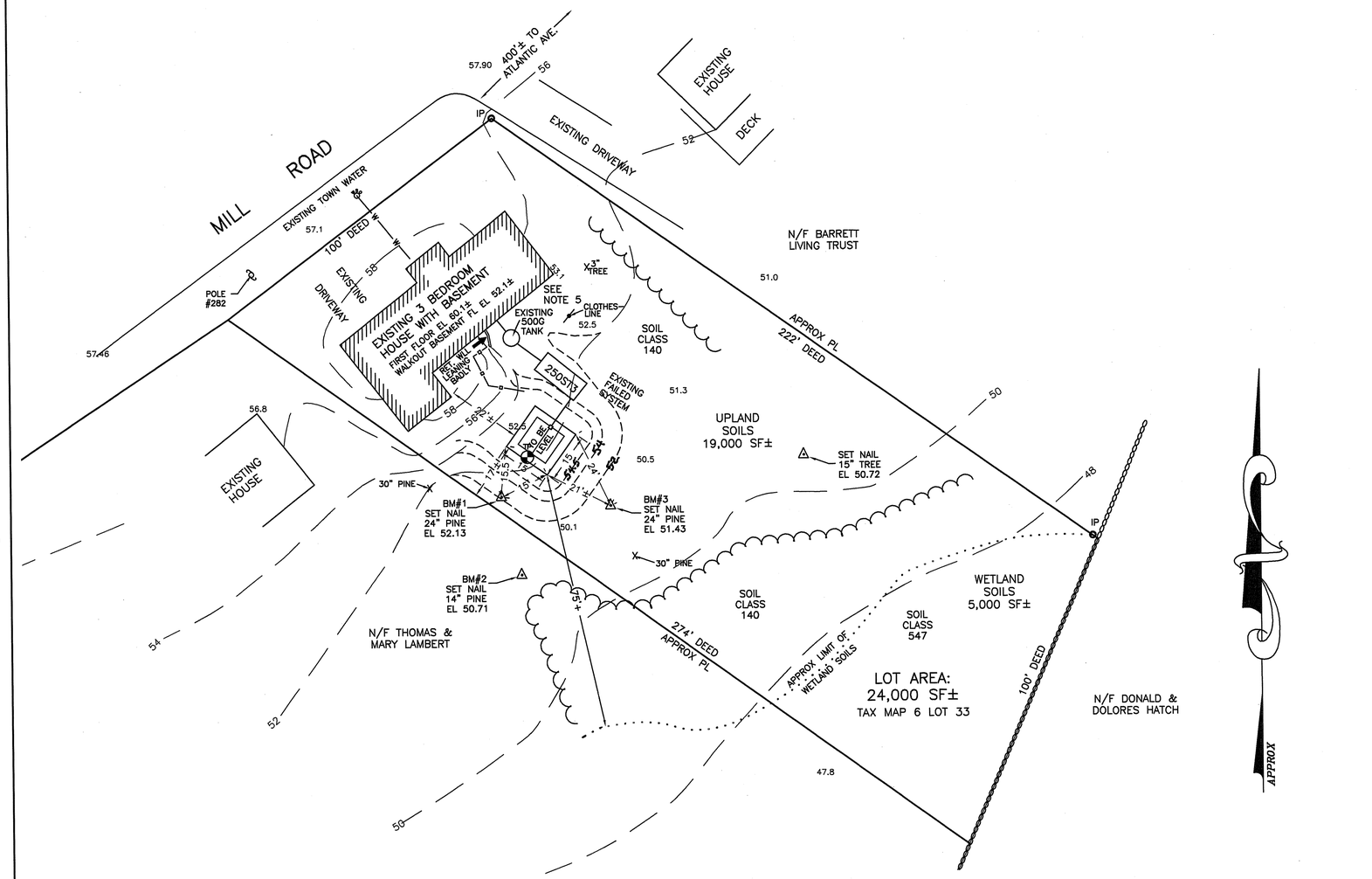
PUMP WILL DELIVER APPROX 58 GPM AT 7'±TDH WITH 2 MIN+ EST. RUNNING TIME.

ELECTRICAL CONTROLS MUST BE APPROVED BY PUMP MANUFACTURER.
ALL WASTEWATER ALTERNATIVES SPECIFICATIONS AS OUTLINED IN THE CONTRACT AND MAINTENANCE AGREEMENT SUBMITTED WITH THIS APPLICATION ARE TO BE CONSIDERED AN INTEGRAL PART OF THIS PLAN.


60.1
EXISTING FIRST FLOOR ELEV
EXISTING BASEMENT FLOOR 52.1
4" SCH 40 PIPE MAINTAIN MIN SLOPE= 1/4"PER FT
TOP EXIS TANK ELEV 51.94
EXISTING 500 GAL SEPTIC TANK MAY BE LEFT IN PLACE IF FUNCTIONING ADEQUATELY. REMOVE OR CRUSH/FILL IF ABANDONED.
INV EL. 51.3±
INV 51.2±
INV 50.95±
MODEL 250 ST3 CLEAN SOLUTION SYSTEM
500 GALLON SETTLING & PUMP TANK
INV EL. 50.8
TOP OF TANK EL 51.8
NEMA
ALARM
ON
OFF
1250 GALLON SEPTIC TANK
5'
350 GAL BIOCON 30 FT3 MEDIA
4'0
3'9"
2" SCH 40 OR EQUIV.
INV EL. 50.55
*SEE PUMP SPECS
NONE APPARENT FOUNDATION DRAINS
A.J. FOSS 3 COMPARTMENT TANK 15LX6'6"WX5'HIGH
USE NON–SHRINK MORTAR SEALANT OR APPROVED EQUAL
NO VENT REQUIRED WITH THIS SYSTEM PER HAROLD DAVIS (W.A.I.)
INV EL. 53.16
D–BOX A.J.FOSS OR APPROVED EQUAL
1 INLETS
3 OUTLETS
LAYER OF UNTREATED BUILDING PAPER FILTER FABRIC OR 2"–3" HAY OVER STONE
INV EL. 53.0
FG EL. 54.5–55
LOAM AND SEED FG
5' FILL EXT
MIN 12"/ MAX 18" COVER
4" DIST. LINE LAID LEVEL
MAX 3:1 TO OG
52.5
15'
ELEV. OF BED BOTTOM
REMOVE TOPSOIL AND RAKE RECEIVING SOIL PRIOR TO PLACING FILL. FILL MATERIAL TO BE MEDIUM TO COARSE SAND (0.25–2.0MM)
4" MIN RESTRICTIVE BLANKET OF HEAVY SOIL
ALL COMPONENTS OF EXISTING SYSTEM AND ASSOCIATED ORGANIC MATERIAL TO BE REMOVED AS NEEDED FOR TANK INSTALLATION AND TO STRIP AND PREPARE 5' FILL EXT.
5' FILL EXT
LOAM AND SEED FG
MIN 12"/ MAX 18" COVER
5'0"(TYP)
2.5'
3/4" TO 2 1/2" UNIFORM "SEPTIC STONE"
6" UNDER PIPE
4" PERFORATED PIPE LAID LEVEL WITH TIGHT COLLARS CONNECTED AT ENDS.
15' TOTAL WIDTH

CROSS SECTION DISPOSAL SYSTEM – NOT TO SCALE

PLAN : 1"=20'



SYSTEM OWNER IS RESPONSIBLE FOR THE FOLLOWING OPERATING REQUIREMENTS

ENV–WS 1023.01 (a) SEPTIC TANKS SHALL BE INSPECTED FOR ACCUMULATION OF SLUDGE AND SURFACE SCUM AT LEAST ONCE EVERY YEAR. (b) WHEN THE COMBINED THICKNESS OF SLUDGE AND SURFACE SCUM EQUAL 1/3 OR MORE OF THE TANK DEPTH, THE TANK SHALL BE PUMPED BY A LICENSED SEPTIC TANK PUMPER.

ENV–WS 1023.02 TO PREVENT OBSTRUCTION OF THE DISTRIBUTION LINES AND LEACH FIELD, GREASE AND BULKY WASTE SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.03 TOXIC AND HAZARDOUS MATERIALS SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.04 TO PREVENT DAMAGE TO THE DISTRIBUTION LINES AND LEACH FIELD, VEHICLES, LIVESTOCK, AND OTHER HEAVY OBJECTS SHALL NOT BE ALLOWED ON THE LEACH FIELD.

ENV–WS 1023.05 IF WET AREAS APPEAR ON THE GROUND SURFACE ABOVE THE DISTRIBUTION LINES OR LEACH FIELD OR IF DISAGREEABLE ODORS OCCUR, THE SYSTEM SHALL BE INSPECTED FOR THE SOURCE OF THESE PROBLEMS, AND CORRECTIVE ACTION SHALL BE TAKEN.

TP TEST PIT DATA

DATE: DECEMBER 15, 2005

TOWN INSPECTOR: RICHARD BOND

TEST PIT #1 ELEV 52.1

0 –22" 10YR4/4 FINE SANDY LOAM, GRANULAR FRIABLE
OLD FILL (TO BE REMOVED)
22–30" 2.5Y5/4 FINE SANDY LOAM, MASSIVE FRIABLE
30–60" 5Y5/2 TO 5/3 SILTY FINE SANDY LOAM, MASSIVE FIRM HEAVY MOTTLES
60–78" 10YR4/4 MED TO COARSE SAND, GRANULAR LOOSE

ESHWT @ 30", ROOTS TO 30"+, OBS WATER @ 48", NO REFUSAL

PT PERC TEST DATA

DATE 12/15/05

PERC RATE: N/A – EST. 20 MIN/IN AT 30" DEPTH

DESIGN LOADING: EXISTING 3 BEDROOM HOUSE

AREA REQUIRED: W.A.I. 3 BEDROOM = 75–100 SF DISPERSAL AREA REQUIRED.

AREA PROPOSED: 15' X 15' = 225 SF DISPERSAL AREA PROVIDED.

PROPOSED REPLACEMENT

SEPTIC SYSTEM PLAN

EXISTING FAILED SYSTEM

LOCUS: 95 MILL ROAD
NORTH HAMPTON, NH

OWNER: BRIAN J. BARRETT
C/O ANN BARRETT
97 MILL ROAD
NORTH HAMPTON, NH 03862

NEW HAMPSHIRE Designer of Subsurface Disposal Systems Ann W. Bialobrzeski No. 348 Water Supply & Pollution Control

APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03843–1306

DATE: DECEMBER 21, 2005

APPROVAL: CA20050777939